KAIXIN®

TP01 Test Pregnancy Instrument
User's Manual
----Swine, Goat

- **Principle**

Test Pregnancy Instrument is an instrument which can emit and receive ultrasound waves. When the emitted ultrasound waves travel into the body of the sow and the goat, the echo reflect to the receiver.

The uterus of sow and goat will be full of amniotic fluid during pregnancy, so Test Pregnancy Instrument distinguishes the receive echo response from the amniotic fluid, according to the different sounds made by Test Pregnancy Instrument to determine whether the sow and goat are pregnant.

Test Pregnancy Instrument makes continuous "tick, tick ..." sounds which indicate that uterus is filled with amniotic fluid that is pregnant; while the indicator light of instrument is continuously flashing.

Test Pregnancy Instrument makes intermittent "tick ... tick ..." sounds which indicate that uterus is not filled with amniotic fluid that is not pregnant; while the indicator light of instrument is intermittently flashing.

- **Technical specifications**

1. Battery: 4pcs (1.5V)
2. Rated power: ≤400mW
3. Dimensions: 180×50×50mm^3 (L×W×H)

- **Main functions**

Use sound and light of two states to feedback, applied to different environments.

Test Pregnancy Instrument is waterproof.

- **Test Pregnancy Instrument status indicator**

S/N	Prompt sound	Indicator light	Status
1	a short sound "tick"	Flashing once	Instrument normal, fully charged
2	Intermittent "tick ... tick ..." sounds	Intermittent flashing	Good contact, not pregnant
3	Continuous "tick, tick ..." sounds	Continuous flashing	Pregnant

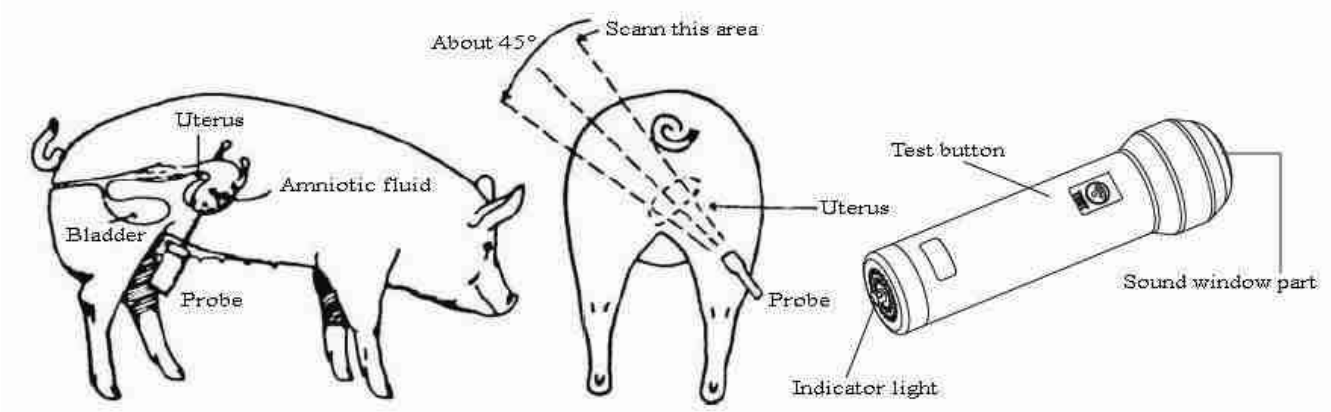
- **Test time range**

At 25 days after sow breeding, use Test Pregnancy Instrument for testing. Clinical trial pro testing is 100% accurate 30 days after breeding. At 65 to 70 days after breeding the litter displac fluid and the testing accuracy decreases. Accurate testing is the result of placing the probe on th proper testing spot, at the right time, making good skin contact, aiming the probe in the proper d

and being well maintained.

- **Operational method**
  1. Press “TEST” button with your thumb, you can hear a sound “tick”, which indicate that the instrument is normal and fully charged. If there is no sound, one case that the battery power is too low, please replace the battery; the other is the instrument malfunctioned, please contact dealer or the International Trade Dept of Kaixin.
  2. Before testing, put ultrasonic coupling gel on the sound window part of Test Pregnancy Instrument, in order to make good contact between sow skin and sound window. Recommended use a dedicated ultrasonic coupling gel can also use vegetable oil.
  3. Keep the sow quiet during the test (you can feed the sow during the test).
  4. Place the probe on the inside of right-rear leg of the sow, 2 inches in front of the rear leg (About at the countdown position between the second nipple and the third nipple), and aim it approximately 45°to test (See diagram).
  5. When probe left the testing spot, you must re-put ultrasonic coupling gel on the probe to continue testing.

  Note: This requirement is extremely important. Be sure to effective compliance.



- **Test result**

  Continuous “tick, tick ...” sounds indicate “animal is pregnant”.

  Intermittent “tick ... tick ...” sounds indicate “animal is not pregnant”.

  If sow is pregnant, you will hear continuous “tick, tick ...” sounds, record the results and make marks, and then the next sow will be tested. If not pregnant, suggest that re-check the inside of left-rear leg to repeat the testing. If the same as right side, the test results should be correct.

- **Factors that leading to inaccurate test**
  1. Have a bad contact, first remove any possible manure, straw and excess hair, etc., which may cause a poor contact between the sound window and skin;
  2. Inaccurate testing position and not detecting uterus amniotic fluid, which result in pregnancy displayed as the error results of no pregnancy; if detect the bladder or other special anima' disease, will result in no pregnancy displayed as the error results of pregnancy.
- **Maintenance**
  1. Make sure that sound window part of Test Pregnancy Instrument will not be hit, or it may

the instrument to not work normally.

2. Make sure that sound window part of Test Pregnancy Instrument will not be applied corrosive liquid, or it may cause damage to sound window, the instrument can not work normally.
3. If tone hole is blocked, please remove the cover and clean the tone hole with a toothpick.
4. If Test Pregnancy Instrument is not used for long, please remove the batteries to prevent battery leakage.
5. Replace the battery need to unscrew the back cover of instrument, according to the positive and negative prompt inside the instrument to install batteries.

- **Advantages**

1. Small size, easy to carry;
2. Battery facilitates purchase and replacement.

- **Other Notes**

Clinical trial proves that testing is 100% accurate on normal big sow, 97% accurate on ewe. Well-known universities around the world have done comparison tests and concluded that test pregnancy instrument in terms of accuracy and ease of use are all excellent.

The best use time is 30 to 72 days with Test Pregnancy Instrument to detect, can detect 18 days ahead of time, but must detect large fetal sow, which means have more than 10 fetuses. If not undetected, it does not mean any pregnancy, the best 30 days for further diagnosis. Testing pregnancy is generally pregnant, when test no pregnancy, test again until 30 days and another test 37 days. If still no, it means not pregnant, ready 42 days to re-estrus (the estrous cycle of sow is 21 days).

Test Pregnancy Instrument is used for reference to confirm diagnosis after breeding, especially whether little-fetus pregnancy after breeding. If not testing pregnancy, it must particularly make special marks on the body to observe, lest missing out the estrous cycle and wasting 21 days empty-fetus feed costs.

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